

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001473

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B04B 1/08, B04B 11/02, B04B 11/06
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B04B, B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5186708 A (KLAUS STROUCKEN ET AL), 16 February 1993 (16.02.1993), column 1, line 5 - line 30, figures 1,2, claims 1-18, abstract --	1-18
A	DT 2710415 A1 (VEB KOMBINAT IMPULSA BETRIEB VEB), 13 October 1977 (13.10.1977), figures 1,2, claims 1-4 --	1-18
A	US 5362292 A (LEONARD BORGSTRÖM ET AL), 8 November 1994 (08.11.1994), column 3, line 46 - line 48, figures 1-3, claims 1-15, abstract --	1-18

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

17-02-2005

Name and mailing address of the ISA/
 Swedish Patent Office
 Box 5055, S-102 42 STOCKHOLM
 Facsimile No. +46 8 666 02 86

Authorized officer

Fredrik Andersson /MRA
 Telephone No. +46 8 782 25 00

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001473

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3990631 A (WALLACE J. SCHALL), 9 November 1976 (09.11.1976), column 2, line 60 - line 66; column 4, line 36 - line 41, figure 1, claims 1-10, abstract --	1-18
A	US 5052996 A (CHRISTER LANTZ), 1 October 1991 (01.10.1991), column 4, line 21 - line 41, figures 1,5, abstract --	1-18
A	US 5720705 A (CLAES INGE ET AL), 24 February 1998 (24.02.1998), column 3, line 41 - line 51, figure 1, claims 1-3, abstract -----	1-18

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

31/12/2004

PCT/SE 2004/001473

US	5186708	A	16/02/1993	CA	2045611	A,C	28/05/1991
				DE	69002614	D,T	18/11/1993
				DK	455780	T	22/11/1993
				EP	0455780	A,B	13/11/1991
				ES	2045955	T	16/01/1994
				JP	3004352	B	31/01/2000
				JP	4505125	T	10/09/1992
				KR	154876	B	16/11/1998
				SE	465018	B,C	15/07/1991
				SE	8903988	A	28/05/1991
				WO	9108054	A	13/06/1991

DT	2710415	A1	13/10/1977	NONE		
----	---------	----	------------	------	--	--

US	5362292	A	08/11/1994	BR	9104435	A	21/04/1992
				CN	1028612	B	31/05/1995
				CN	1055307	A	16/10/1991
				DE	69103356	D,T	01/12/1994
				EP	0468028	A,B	29/01/1992
				SE	0468028	T3	
				JP	3004353	B	31/01/2000
				JP	4505421	T	24/09/1992
				SE	465501	B,C	23/09/1991
				SE	9000540	A	16/08/1991
				WO	9112082	A	22/08/1991
				SE	9100100	D	00/00/0000

US	3990631	A	09/11/1976	NONE		
----	---------	---	------------	------	--	--

US	5052996	A	01/10/1991	BR	8907123	A	05/02/1991
				CN	1021298	B	23/06/1993
				CN	1041890	A	09/05/1990
				DE	68908159	D,T	25/11/1993
				EP	0390895	A,B	10/10/1990
				SE	0390895	T3	
				JP	2894762	B	24/05/1999
				JP	3501705	T	18/04/1991
				SE	8803686	A	17/10/1988
				WO	9004460	A	03/05/1990

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

31/12/2004

International application No.

PCT/SE 2004/001473

US	5720705	A	24/02/1998	AT	175593	T	15/01/1999
				AU	624195	B	04/06/1992
				AU	4507089	A	28/05/1990
				BR	8907757	A	13/08/1991
				CN	1024905	B	08/06/1994
				CN	1042671	A	06/06/1990
				DE	68928908	D,T	10/06/1999
				EP	0534943	A,B	07/04/1993
				JP	2959575	B	06/10/1999
				JP	4501678	T	26/03/1992
				KR	136369	B	25/04/1998
				SE	462262	B,C	28/05/1990
				SE	8804029	A	08/11/1988
				US	5733239	A	31/03/1998
				WO	9005028	A	17/05/1990
				SE	8900598	D	00/00/0000

BEST AVAILABLE COPY